Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

S.No.	DESCRIPTION OF WORK/SPECIFICATION	Amount, Rs
1	Supply and Poviding of Vintage Cars	16975000
2	Civil Works For Foundation of the Steel Tower Column for Fixing of Cars	1199156
3	MS Steel Tower Column Errection and Fixing of Cars	2685300
4	Civil Works For V.I.P Gallery Sitting Area and Steps	5864929
5	Errection of Heavy Truss and Special Fabrication Works with Mangalore Roofing Tiles for VIP Gallery Area	718525
6	Civil Works for Stage	1481300
7	Green Rooms -Male- 1no.	568770
8	Civil works for Walk Way with Cobble Stones, Plantation and Turfing	1023392
9	Providing Theme Statues Like Chota Bheem Team and Donald Duck	3481650
10	Civil Works for Theme Statues like Chota bheem Team and Donald Duck	1206747
11	Civil Works for Compound Wall including Entrance Gate	3609120
12	Poviding & Fixeing of Sculptures For Circles	9650000
	Sub total	**48463888**
i	Preparation of DPR and Project management Consultancy Charges (3% of estimated cost)	1453917
ii	Miscellaneous and rounding off	82195
	Grand Total	**50000000**

Grand Total: FIVE CRORE RUPEES

Technical Sanction
Accorded For 25 Crore Lakhs
Head of A/C P3743
CER NO : 119 Dt 07-07-2021

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20, SE-RDED approved Rate and Issu ed Rates.
5) Area weightage of 6% has been considered under parks caregory

Assistant Engineer | Assistant Executive Engineer | Executive Engineer

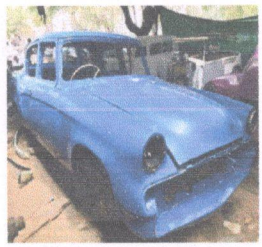
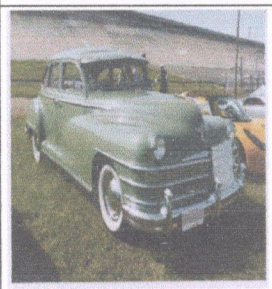
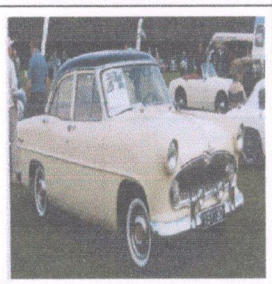
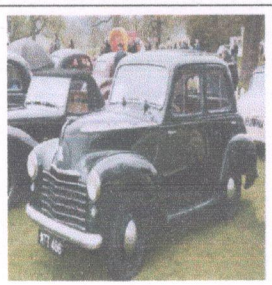
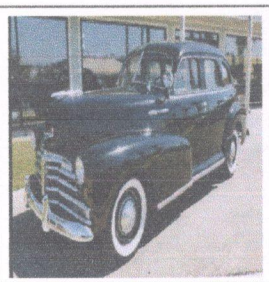
Administrative Approval
Accorded For 25 Crore Lakhs
Head of A/C P3743
CER NO : 04 12/7/2021

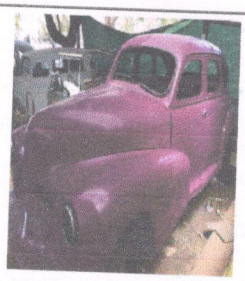
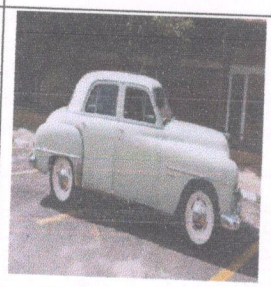
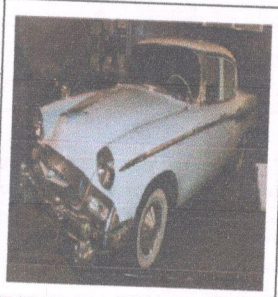
SE (Project)

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate -1 : Supply and Providing of Vintage Cars

S.No.	Description of Work /Specification	Image	Unit	Unit Rate, RS	Quantity	Amount, Rs
1	**CHEVEROLET FLEET MAST.** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site locationandLength 197.75 width 73.4 height 66.1 in inch total weight with engine 1451 actual weight 870 kg Colour PINK Country CANADA (As per Data Rate including GST)		No's	2050000	1	2050000
2	**SRUDEBAKER CHAPION.** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location andLength197.2 width 69.9height 62.9 in inch total weight with engine 1265 actual weight 759kg Colour Dustbin Blue Country USA (As per Data Rate including GST)		No's	2075000	1	2075000
3	**JAGAUR J6 SOVEEREIGN:** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location and 195.24 width 69.69 height 54.21 in inch total weight with engine 1720 actual weight 1032 kg Coulor Yellow Country UK (As per Data Rate including GST)		No's	1700000	1	1700000
4	**DODGE KINGSWAY :** Providing the outdoor brightly colored popularvintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation o fmould and casting with oxidizing, lackering, etc, complete and transportation to the site location andLength 189.5 width 73.4 height 63.6 in inch total weight with engine 1395 actual weight 837 kg Colour Apollo Green Country USA (As per Data Rate including GST)		No's	1300000	1	1300000
5	**HILLMAN MINX:** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location and Length 165 width 62.8 height 58 in inch total weight with engine 925 actual weight 555 kg Coulor Brown Country UK (As per Data Rate including GST)		No's	2400000	1	2400000

6	**NISSAN BLUEBIRD 910 U1:** Providing the outdoor brightly colored popularvintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location andLength 157 width 62 height 60 in inch total weight with engine 990 actual weight 594 kg Color Orange Country Japan (As per Data Rate including GST)		No's	1950000	1	1950000
7	**MORRIS SERIES Z VAN:** Providing the outdoor brightly colored popularvintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location andLength 149 width 54.5 height 60 in inch total weight with engine 910 actual weight 546 kg Coulor German RED Country UK (As per Data Rate including GST)		No's	2100000	1	2100000
8	**AUSTIN-8:** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation ofmould and casting with oxidizing, lackering, etc, complete and transportation to the site location and Length 149 width 56 height 60 in inch total weight with engine 799 actual weight 479.4 kg CoulorParot Green Country UK (As per Data Rate including GST)		No's	1600000	1	1600000
9	**FIAT TOPOLINO:** Providing the outdoor brightly colored popular vintage car models made out of Welded Iron Automobile Parts, Suitable MS, brass casting with necessary steel rods for strengthening, as per the approved theme and sample including preparation of mould and casting with oxidizing, lackering, etc, complete and transportation to the site location andLength 127.8 width 50.15 height in inch 54.21 total weight with engine 550 actual weight 330 kg Coulor PINK Country ITALY (As per Data Rate including GST)		No's	1800000	1	1800000
	Grand Total					**16975000**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, , SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Asst. Executive Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate 2: Civil Works For Foundation of the Steel Tower Column for Fixing of Cars

Sl.No.	Description of Work /Specification	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Note :Adopt item 2.24 for excavation in all types of soils for lowering & levelling the ground for building works by mechanical means KBS Pg No 6, Item No 2.1								
1	**Earthwork Excavation**								
	MS Column Footing below ground	Cum	1	4	4	3	48.00		
	Guy Wire below ground	Cum	4	0.5	0.5	3	3.00		
	Name Board pillars 2 no's @ yelhanka Entrences	Cum	2	4	4	3	96.00		
	Basic Rate							449.00	
	Area weightage 6%							26.94	
	Total						**147.00**	**475.94**	**69963**
	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100 mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Soling								
2	SolingMS Column below ground	Cum	1	4	4	0.2	3.20		
	Soling-Guy Wire below ground	Cum	4	0.5	0.5	0.2	0.20		
	Name Board pillars 2 no's @ yelhanka Entrences	Cum	2	4	4	0.2	6.40		
	Basic rate							2429.00	
	Area weightage 6%							145.74	
	Total						9.80	**2574.74**	**25232**
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4-1.3, 4.3 Pg No.13 Item No 4.3								
3	**PCC**								
	PCC-MS Column below ground	Cum	1	4	4	0.15	2.40		
	PCC-Guy Wire below ground	Cum	4	0.5	0.5	0.15	0.15		
	Name Board pillars 2 no's @ yelhanka Entrences	Cum	2	4	4	0.15	4.80		
	Basic rate							5102.0	
	Area weightage 6%							306.1	
	Total						**7.350**	**5408.120**	**39750**
	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14 Item No. 4.11								
4	Below ground-M20								
	Footing-MS Column below ground	Cum	1	3.5	3.5	2	24.50		
	Pedestal-MS Column below ground	Cum	1	1.4	1.4	0.7	1.37		
	Footing -Guy Wire	Cum	4	0.5	0.5	2.65	2.65		
	Name Board pillars 2 no's @ yelhanka Entrences	Cum	2	3.5	3.5	2	49.00		
	Basic rate							5659.0	
	Area weightage 6%							339.5	
	Total						**77.52**	**5998.54**	**465019**

	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT bars Fe 500 Specification No KBS 4.46.2, Pg No. 18 Item No. 4.46.2								
5	20 mm,12 mm and 10 mm -As per structural drawing	tonnes					1.20		
	Name Board pillars 2 no's @ yelhanka Entrences 60 kg /cum						2.94		
	Basic rate							70966	
	Area weightage 6%							4258	
	Total						**4.14**	**75223.96**	**311427**
	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Pg No. 16 Item No. 4.46.2								
	Footing-MS Column below ground	sqm	1	14		2	28.00		
6	Pedestal-MS Column below ground	sqm	1	5.6		0.7	3.92		
	Name Board pillars 2 no's @ yelhanka Entrences		2	14		2	56.00		
	Basic rate							456.0	
	Area weightage 6%							27.4	
	Total						**87.92**	**483.4**	**42497**
	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
7	**Filling Available of Excavated Earth**								
	MS Column below ground	Cum			115.53		115.53		
	Basic rate							201.0	
	Area weightage 6%							12.1	
	Total						115.53	**213.1**	**24614**
	KSRRB MS00-5.1. Over head Signs (Truss and Vertical Support): Manufacturing, Supply and installation of retro- reflective Over-Head Gantry signboards made out of cube corner micro prismatic grade sheeting confirming to Type XI standards of IRC:67:2012 fixed over 4mm thick Aluminium Composite Panel sheet, excluding the cost of Type XI retro-reflective sheeting and 4mm ThickACP sheet with suitable back support frame over a designed support system of aluminum alloy or galvanised steel trestles and trusses of section type as per structural design requirements and approved plans complete as per specifications. Vertical and Lateral Clearance of the Gantry shall be as per IRC 67 2012 and as per Clause 800.2.2 and 800.2.3 and installed as per clause 800.2.7. Pg No. 180 Item No.24.50								
7	**Sign Board at Yelahanka entrance**								
	MS Column below ground	No's	1.00						
	Basic rate							70647.0	
	Area weightage 6%							4238.8	
	Total							**74885.8**	**74886**
	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					147.00		
	Filling Available of Excavated Earth						115.53		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
8	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading Basic rate					2.00	
	Average Weight of earth (1.28 Tonne/cum.)	For 2 Kms =2x1.28x2						5.12	
	Basic rate	Cum						62.12	
	Area weightage 6%							3.73	
	Total						**262.53**	**65.85**	**17287**
								Sub Total Amount	**1070675**
								ADD 12% GST	**128481**
								Grand Total	**1199156**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate 3 : MS Steel Tower Column Errection and Fixing of Cars

S.No.	Description of Work /Specification	Unit	No	L	B	D	Qty	Rate	Amount,Rs
	Providing of Hollow Structural Pipe of 600 mm dia with 10 mm hickness for mounting the cars as per directions of Engineer Incharge weighing about 147.63 kgs per Metes with all necessary joints with baseplate and nut bolt system including painting **(As per Data Rate including GST)**								
1	MS Column =(8NosX 4m), considering 147.63 kgs per meter	Kgs	32		147.63kg /M		4724.16		
	MS Column =(3NosX 4m), considering 147.63 kgs per meter For yelahanka entrance arch	Kgs	16		147.63kg /M		2362.08		
	Rate including GST							207.7	
	Total						**7086.24**	**207.7**	**1471812**
	Providing of base plate with 10 mm thickness for mounting the cars as per directions of Engineer Incharge about 147.63 kgs per Meter **(As per Data Rate including GST)**								
2	Base Plate (1400X1400X10 mm) for footing-60 kgs per Plate	Kgs	1			60	60		
	Car Mounting cantilever Plate (1200X1200X10mm) -40 kgs per Plate	Kgs	9			40	360		
								149.9	
	Total					**Kgs**	**420**	**149.9**	62958
	Providing and Fixing of L= 900 mm Nut with Double bolt of 38 mm dia wieghting 1.0 kg each s per directions of Engineer Incharge **(As per Data Rate including GST)**								
	20 nuts and bolts at base plate	Kgs	20		1 kg		20		
3	12 nuts and bolts for joining of pipes at 9 locations (L=0.15m) weighing amount 0.5kg per no.	Kgs	108		0.5 kg		54		
	12 nuts and bolts for joining of Cars chasis to the cantilever plate at 9 locations (L=0.15m) weighing amount 0.5kg per no.	Kgs	108		0.5 kg		54		
								385	
	Total						**128**	**385**	**49280**
4	Fixing and Errection of the 600 mm dia MS Column, Cars in vertical levels using the high strength Hydraulic Boomer Vehicles, upto 30 meter height, making hole and fixing with the Nut Bolt for car chasis to Cantilever Plate. High Strength Good Qulity Welding of MS Coulmns and Cars Mounting canteer Plate as per IS Standards (1200X1200X10 mm), including all necessary items and errection for complete work and as per Engineer In charge (As per Data Rate including GST)								
	AT 9 locations	No's	9				9		
								79751	
	Total						9	79751	**717759**
5	Providing and fixing of Guy Rope with Stiffening tixing to MS Columns and Anchored to anchored Pipe with all the necessary hooks, bolts fixtures including all necessary items and errection for complete work and as per Engineer In charge **(As per Data Rate including GST)**								
	Guy Rope of 4 no's fixing , coulmn to Anchoring Pipe in four directions at diiferent locations	Rms	4	30			120		
								1125	
	Total						120	1125	**135000**
6	Proving and fixing of artistic monumental flower at the top of about 2 meters height with all the necessary joints,hooks, bolts fixtures including all necessary items and errection for complete workand as per Engineer In charge **(As per Data Rate including GST)**								
		No's	1				1		
								68870	
	Total						1	68870	68870

7	KSRB 4-6.9 : Providing and placing the ornamental colourful pebbels all round the curve shape inside the VIP Gallery upto 1.2 m height and 0.5 m width and also with Fabricating with 5 mm dia encasement with 20 mm spacing with all necessary L Angles **(As per Data Rate including GST)**								
		m	1	31.4		1.2	37.68		
								4767	
	Total						**37.68**	**4767**	**179621**
	Grand Total								**2685300**

CERTIFICATE:

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2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20, SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
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Executive Engineer
BBMP

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate -4 : Civil Works For V.I.P Gallery Sitting Area and Steps

No.	Description of Work /Specification	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4 (PWD SR 2018-2019)								
	Earthwork Excavation								
	Steps and Sitting footing and support-complete length at 3 locations	Cum	3	20.6	1.5	2.7	250.29		
	Column Footings at gallery area	Cum	9	1.5	1.5	2.7	54.68		
	Basic rate							449.00	
	Area weightage 6%							26.94	
	Total						**304.97**	**475.94**	**145147**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100 mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15 (PWD SR 2018-2019)								
	Soiling Below ground								
	Steps and Sitting footing and support-complete length at 3 locations	Cum	3	20.6	1.5	0.2	18.54		
	Column Footings at gallery area	Cum	9	1.5	1.5	0.2	4.05		
	Basic rate							2429.00	
	Area weightage 6%							145.74	
	Total						**22.59**	**2574.74**	**58163**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4-1.3, 4.3 Pg No.13 Item No 4.3								
	PCC								
	Steps and Sitting footing and support-complete length at 3 locations	Cum	3	20.3	1.2	0.15	10.96		
	Column Footings at gallery area	Cum	9	1.2	1.2	0.15	1.94		
	for floor area below VIP Gallery area	Cum		157		0.1	15.70		
	Basic rate							5102.0	
	Area weightage 6%							306.1	
	Total						**28.61**	**5408**	**154705**
	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14 Item No. 4.11 (PWD SR 2018-2019)								
	Sitting footing and support-complete length at 3 locations	Cum	3	20	0.9	0.8	43.2		
	Sitting Pedestal	Cum	3	20	0.5	1.55	46.5		
	Sitting area and staircase waist slab	Cum	1	20	6.8	0.25	34		
	Concrete walls at center and rear end of the sitting Area Avg depth = 2.28	Cum	2	21	0.3	2.28	28.728		

Footing for column for VIP Lounge Area	Cum	9	0.9	0.9	0.8	5.832		
Pedestal for column for VIP Lounge Area	Cum	9	0.5	0.5	1.55	3.4875		
Plinth Beam for Sitting area side Edges = 6 -0.3-0.3=5.4	Cum	2	5.4	0.4	0.2	0.864		
Plinth Beam for VIP Lounge Area = 6 -0.3-0.3=5.4	Cum	1	62	0.4	0.2	4.96		
Columns for VIP Lounge Area	Cum	9	0.4	0.4	3	4.32		
Roof Beams for VIP Lounge Area =31.5 + 10 x 7 = 102	Cum	1	102.1	0.4	0.5	20.42		
VIP Lounge area roof slab Area = 157 sq/m	Cum	1	157		0.25	39.25		
Basic rate							5659.0	
Area weightage 6%							339.5	
Total						**232**	**5999**	**1389031**

KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT bars Fe 500 Specification No KBS 4.46.2, Pg No. 18 Item No. 4.46.2

75 kgs per Cum	tonnes					17.37		
Basic rate							70966	
Area weightage 6%							4258	
Total						**17.37**	**75223.96**	**1306423**

KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., Removal of form Work etc.., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.9, Pg No 17,Item No 4.36

Sitting footing and support-complete length at 3 locations	Cum	6	20		0.8	96.00		
Sitting Pedestal	Cum	6	20		1.55	186.00		
Sitting area and staircase waist slab	Cum	1	20		6.8	136.00		
Concrete walls at center and rear end of the sitting area	Cum	4	21		2.28	191.52		
Footing for column for VIP Lounge area	Cum	9	6		0.8	43.20		
Pedestal for column for VIP Lounge area	Cum	9	6		1.55	83.70		
Plinth Beam for Sitting area side Edges	Cum	4	5.4		0.2	4.32		
Plinth Beam for VIP Lounge area	Cum	2	62		0.2	24.80		
Columns for VIP Lounge area	Cum	9	1.6		3	43.20		
Roof Beams for VIP Lounge area	Cum	1	101.5		0.9	91.35		
VIP Lounge area roof slab	Cum	1	157			157.00		
Basic rate							755.0	
Area weightage 6%							45.3	
Total						**1057.09**	**800.3**	**845989**

KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructu/re including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, page no.29,item no 6.2 PWD Sr 2018-19

Sitting Area -6 rows	Cum	6	17	0.25		25.50		
Steps area-19 steps	Cum	19	3	0.027		1.54		
Basic rate							6709	
Area weightage 6%							403	
Total						**27.04**	**7112**	**192289**

KSRB 14.47.3 : Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using 10mm thick silver grey granite / Multy Red / Ruby Red/ Black / Hassan Green Granite tiles KBS No.14.47.3, Pg No. 110 Item No. 14.47.3

Sitting Area	Sqm	6	17	1.5		153		
Staircase	Sqm	19	3	0.49		27.93		
VIP Lounge area						157		
Basic rate							1400	
Area weightage 6%							84.0	
Total						**337.93**	**1484.00**	**501488**

9	14.55, Providing full nosing for 20 mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification KBS No.14.55, Pg No. 111								
	Full nosing Sitting Area	Rm	6	17			102		
	Staircase	Rm	19	3			57		
	VIP Lounge area	Rm	157				18		
	Basic rate							270	
	Area weightage 6%							16.2	
	Total						**177.00**	**286.20**	**50657**
10	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications,. Pg No. 45 Item No. 4.6 PWD SR 2018-2019)								
	Sitting Area-edges	Sqm	2	7		1.2	14		
	Basic rate	Sqm						5378	
	Area weightage 6%							322.7	
	Total						**14.00**	**5700.68**	**79810**
11	KSRB 2.11 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications. specification No. KBS 2.9. (P.NO-7, I.NO-2.10 OF PWD SR 2018-2019)								
	Benith Sitting Area and Step Area above ground	Cum	1				189.00		
	Basic rate							201.00	
	Area weightage 6%							12.1	
	Total						**189.00**	**213.06**	**40268**
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					304.97		
	Filling Available of Excavated Earth						189.00		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading Basic rate					2.00	
	Average Weight of earth (1.28 Tonne/cum.)	For 2 Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 6%							3.73	
	Total						**494**	**66**	**32526**
13	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Curve shape along periphery of VIP gallery area - Deducation of column and door Area	Sqm	1	23.6		2.75	64.90		
	Basic rate							912.0	
	Area weightage 6%							54.7	
	Total						**64.90**	**966.72**	**62740**
14	KSRB15-1.5 : Providing rough cement plastering 15 mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KBS No.15.1.5 Pg No. 115 Item No. 15.6								
	for Curve shape wall along periphery of VIP gallery area Deducation of column and door Area	Cum	2	23.6		3	141.60		
	Basic rate							207	

	Area weightage 6%							12.4	
	Total						**141.60**	**219.42**	**31070**
15	KSRB: 15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications. KBS No.15.6, Pg No. 117 Item No. 15.32								
	for Curve shape wall along periphery of VIP gallery area Deducation of column and door Area	Cum	2	23.6		3	141.60		
	Basic rate							19	
	Area weightage 6%							1.1	
	Total						**141.60**	**20.14**	**2852**
16	KSRB 15-53.2 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer								
	item No.15.53.2 Page No.120 SR 2018-19								
		Cum	2	23.6		3	141.60		
	Basic rate							102	
	Area weightage 6%							6.1	
	Total						**141.60**	**108.12**	**15310**
17	KSRB 9-7.2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, KPWD SOR 2016-17 , Sl No 9.22, Page no 54								
	For Doors	Sqm	1	2		2.1	4.2		
	Basic Rate							4287	
	Area weightage 6%							257.22	
	total						**4.20**	**4544**	**19086**
18	KSProviding vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cemnt using colour pigment, including cost of materials, labour, curing complete as per specification. (P.No:109, I.No:14.45 PWD SR 2018-2019)								
	flooring (3.14X D2/4) /2	Sqm	1				157		
	Basic Rate							976	
	Area weightage 6%							58.56	
	total						**157.00**	**1035**	**162426**
19	**Electrical Works for the Room below VIP Gallery Area, Gallery area and Sitting area**								
	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outle.Item 2.1.1a,Item 2.1.2a page No-5, PWD SR 2018-19.								
	Short point upto 3m	Point	10					200	**2000**
	Medium point above 3m - 6m	Point	10					275	**2750**
	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary . item no-1.2,Item 1.2.2,Item 1.2.3 page no-2, PWD SR								
	25mm dia, 2mm thick	Rm	40					53	**2120**
	32mm dia, 2mm thick	Rm	40					83	**3320**
	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.. item no-3.4,Item 3.4.1,Item 3.4.2 page no-9, PWD SR 2018-19.								
	25mm dia, 2mm thick	Rm	40					54	**2160**
	32mm dia, 2mm thick	Rm	40					81	**3240**

22	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall .. item no-1.2,Item 1.2.2,Item 1.2.3 page no-2, PWD SR 2018-19.								
	1 - 3 Way	Each	5					95	**475**
	4 - 5 Way	Each	5					105	**525**
23	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.,Item1.12, page no-15, PWD SR 2018-19.								
	16Amps Combined switch and socket with indication	No	2					194	**388**
	Electronic stepped regulator.	No	4					150	**600**
24	Supplying and fixing Metal Fan Box with Round Hook item no-2.5.3,Item 2.5.4 page no-3, PWD SR 2018-19.								
	Item 2.5.3		40					32	
	Item 2.5.4		20					45	**900**
	Item 1.12	Each	2					85	**170**
25	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute. item no-5.18,Item5.18.4 page no-27,28 PWD SR 2018-19.								
	12 way SP & N	Nos	2					1210	**2420**
26	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898 item no-6.16,Item6.16.3. page no-47, PWD SR 2018-19.								
	5-32 AMPS DP	Nos	10					909	**9090**
27	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'- 20/22 w. item no-12.4.2,Item 7.3.1 page no-69, PWD SR 2018-19.								
	Gallery area, room below gallery area, and sitting area	Each	10					375	**3750**
28	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. item no-7.3,Item 7.3.1 page no-46, PWD SR 2018-19.								
	2.5 sqmm	Rm	50					32	**1600**
	4 sqmm	Rm	40					45	**1800**
29	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system item no-2.5.3,Item 2.5.4 page no-6, PWD SR 2018-19.								
a	48" sweep (1200 mm) SR 2018-19.	Each	5					2090	**10450**
31	16/6 Amps combined plug and socket with control switch i	No	5					221.2	**1106**
	Providing and filling sand in excavated trench to cover alre	Mtr	50					100	**5000**

33	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50 mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. (PWD electrical S.R material list page no : 67 SL/NO 12.9)								
	LED Flood light 70W (Stage-2no's)	Each	2					6800	**13600**
	LED Flood light 120 W (at Theme Statues -2 no,)	Each	2					8800	**17600**
	LED Flood light 150W (around the car Park -6 no's)	Each	6					10250	**61500**
								Sub Total Amount	**5236544**
								ADD 12% GST	**628385**
								Grand Total	**5864929**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20 SE-RDED approved Rate and Issu ed Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate-5 : Errection of Heavy Truss and Special Fabrication Works with Mangalore Roofing Tiles for VIP Gallery Area

S.No.	Description of Work /Specification	Unit	No	L	B	D	Qty	Rate	Amount
1	Providing and fixing the vertical Coulmn with Base base plate at Top and bottom with proper Welding and also welded as shown in the drawing/as directed by Engineer in Charge consisting of M.S Steel tubees for vertical - 2"X 2"- 4 no's (2 feet X 2 feet Size)-vertical-MS Steel Tubes, 2" X 2"-4no's (2 feet X 2feet Size)-horizontal,1.5"X0.75"- MS Steel Tubesno's (inclined 2.5")-horizontal with complete necessary items as per IS codes, including painting with iron gutter with PVC fittings draing out the water (As per Data Rate including GST)								
	For 7 Verticle Columns								
	2"X 2"-4 no's (2 feet X 2 feet Size)-complete (L)	meters	28			3.1	86.8	395	34286
	2" X 2"-4no's (2 feet X 2 feet Size)-horizontal	meters	42			2.4	100.8	395	39816
	1.5"X0.75"- 4no's (inclined 2.5")-inclined 5x4x2	meters	280			0.32	89.6	305	27328
	Total for 7 columns								101430
2	*Providing and fixing the of roof truss* with proper Welding and also welded as shown in the drawing/as directed by Engineer *in Charge consisting of 2"X 2"-4 no's (2 feet X 2feet Size)-vertical-MS Steel Tubes,2" X 2"-4no's* (2 feet X 2feet Size)-horizontal,1.5"X0.75"- 8 no's (inclined 2.5")-horizontal with complete necessary *items as per IS* codes , including painting (As per Data Rate including GST)								
	For truss length of 61 meters on top								
	2"X 2"-4 no's (2 feet X 2 feet Size)-vertical-	meters	4			61.4	245.60	395	97012
	2" X 2"-4no's (2 feet X 2feet Size)-horizontal	meters	102			2.40	244.8	395	96696
	1.5"X0.75"- 4no's (inclined 2.5")-inclined	meters	813			0.75	609.75	305	185974
	Total for 61 meters	meters							379682
3	Providing and fixing the support in between trusses with proper Welding and also welded as shown in the drawing/as directed by Engineer in Charge consisting of 2"X2"-4no's (2 feetX 2 feet Size)-vertical-, 2"X2"-vertical no's (2 feetX 2feet Size)-horizontal with complete necessary items as per IS codes , including painting (As per Data Rate including GST)								
	For truss length of 34 meters								
	2"X2"-4no's (2 feetX 2 feet Size)-vertical-	meters	2	34			68	395	26860
	2"X2"-vertical no's (2 feetX 2 feet Size)-horizontal	meters	57	0.6			34.2	395	13509
	Total	**meters**							40369
4	Providing and fixing the perlinsWelding and also welded as shown in the drawing/as directed by Engineer in Charge consisting of *1.5" X 0.75"with complete necessary items as per IS codes , including painting* ***(As per Data Rate including GST)***								
	1.5"X0.75"	meters	378				378		
	Rate includinmg GST	meters						220.0	
	Total	meters					**378**	220.0	**83160**
								Sub-1 Total Amount	**604641**
5	Supplying and fixing new Mangalore tiles on existing reepers including cost of materials, labour, HOM complete as per specifications. Item no.37.9 Page no. PWD SR-2018-19								
		Nos	157.00				157.00		

Basic rate							407.0	
Area weightage 6%							24.4	
Total						**157**	**431.4**	**67733**
6	KSRB 15-16.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer							
	item No.15.53.2 Page No. SR 2018-19							
		Sqm	2		157	314.00		
	Basic rate						102	
	Area weightage 6%						6.1	
	Total					**314.00**	**108.12**	**33950**
	Sub total							**101683**
	ADD 12% GST							**12202**
	Sub total -2 Amount							**113885**
	Grand Total (Sub total-1 + Sub total -2)							**718525**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20, SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Providing Kannada words/Alphabets and Sculptures in the premises of Allalasandra and Yelahanka lake in Yelahanka Assembly Constituency

Sub Estimate: 6 Civil Works for Stage

S.No.	Description of Work /Specification	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
1	**Earthwork Excavation**								
	Column Footings	Cum	5	1.5	1.5	3	33.75		
	for Size Stone Masonary	Cum	1	56	1.2	1.2	80.64		
	Basic rate							449.00	
	Area weightage 6%							26.94	
	Total						**114.39**	**475.94**	**54443**
	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100 mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
2	**Soling - below Ground**								
	for Column Footings	Cum	5	1.5	1.5	0.2	2.25		
	for Size Stone Masonary	Cum	1	56	1.2	0.2	13.44		
	Basic rate	Cum						2429.00	
	Area weightage 6%	Cum						145.74	
	Total	Cum					**15.69**	**2574.74**	**40398**
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 (M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4-1.3, 4.3 Pg No.13 Item No 4.3								
3	**PCC**								
	Column Footings	Cum	5	1.2	1.2	0.15	1.08		
	for Size Stone Masonary	Cum	1	56	1.0	0.15	8.40		
	Basic rate							5102	
	Area weightage 6%							306	
	Total						**9.48**	**5408**	**51269**
	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14 Item No. 4.11								
4	Column Footings	Cum	5	1	1	0.35	1.75		
	pedestal	Cum	5	0.4	0.4	2	1.6		
	Plinth	Cum	1	84	0.2	0.1	1.68		
	Columns	Cum	5	0.2	0.2	3	0.6		
	Plat form area	Cum	1	20	8	0.15	24		
	Staircase (for 4 steps,2m width threat = 0.5 and riser = 0.25)	Cum	4	2	0.125		1		
	Lintel beam for Platform background Wall	Cum	1	8	0.2	0.1	1.6		
	coping concrete for Platform background Wall	Cum	1	8	0.2	0.05	1.6		
	Basic rate							5659	
	Area weightage 6%							340	

	Total							**33.83**	**5998.5**	**202931**
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. TMT bars Fe 500 Specification No KBS 4.46.2, Pg No. 18 Item No. 4.46.2									
	at 65 Kgs per Cum	tonne						2.20		
	Basic Rate								70966	
	Area weightage 6%								4258	
	Total							**2.20**	**75224**	**165414**
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Pg No. 17 Item No. 4.46.2									
	Column Footings	Sqm	5	4	0.35			7.00		
	pedestal	Sqm	5	1.6	2			16.00		
	Plinth	Sqm	2	84	0.1			16.80		
	Columns	Sqm	5	0.8	3			12.00		
	Basic Rate								456	
	Area weightage 6%								27.4	
	Total							**51.80**	**483.4**	**25038**
7	KSRB 14.47.3 : Providing and laying flooring using prepolished, water cut/gang saw 19 mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using 10mm thick silver grey granite / Multy Red / Ruby Red/ Black / Hassan Green Granite tiles KBS No.14.47.3, Pg No. 110 Item No. 14.47.3									
	Vertical Wall-sides	Sqm	2	8	1			16.00		
	Vertical Wall-front side	Sqm	1	20	1			20.00		
	Top Stage Flooring	Sqm	1	8	20			160.00		
	Steps	Sqm	4	2	0.5			4.00		
	Base Rate								1400	
	Area weightage 6%								84.0	
	Total							**200.00**	**1484.00**	**296800**
8	14.55, Providing full nosing for 20 mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification KBS No.14.55, Pg No. 111									
	Platform sides Bull Noseing	m	2	8				16.00		
	Platform front side Bull Noseing	m	1	20				20.00		
	Base Rate								270	
	Area weightage 6%								16.2	
	Total							**36.00**	**286.20**	**10303**
9	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50 mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications,. Pg No. 45 Item No. 4.6									
	For steps	Sqm	1	3.5	1.2			4.20		
	Base Rate								5378	
	Area weightage 6%								322.7	
	Total							4.20	**5700.68**	**23943**

	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13,Pg No 17,Item No 34.8.2								
	For foundation								
10	1st Step	Cum	1	56	0.8	0.6	26.88		
	2nd Step	Cum	1	56	0.6	0.6	20.16		
	3rd Step	Cum	1	56	0.4	0.5	11.20		
	Basic rate							5362.0	
	Area weightage 6%							321.7	
	Total						58.24	5683.72	331019.9
	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
11	Backgroundwall above stage upto 3m	Sqm	1	20		3.05	61.00		
	Basic rate							912.0	
	Area weightage 6%							54.7	
	Total						**61.00**	**966.7**	**58970**
	KSRB15-1.6 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KBS No.15.1.6, Pg No. 115 Item No. 15.6								
12	for all round stage plotform	Sqm	1	56		1	56.00		
	Basic rate							207	
	Area weightage 6%							12.4	
	Total						**56.00**	**219.42**	**12288**
	KSRB: 15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications. KBS No.15.32, Pg No. 117 Item No. 15.32								
13	for Backgroundwall above stage upto 3m (both sides)	Sqm	2	20		3.05	122.00		
	Basic rate							19	
	Area weightage 6%							1.1	
	Total						**122.00**	**20.14**	**2457**
	KSRB 15-16.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer item No.15.53.2 Page No. SR 2018-19								
14	painting								
	for Backgroundwall above stage upto 3 m (both sides)	Cum	2	20		3.05	122.00		
	Basic rate							102	
	Area weightage 6%							6.1	
	Total						**122.00**	**108.12**	**13191**
	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications. specification No. KBS 2.9. (P.NO-7, I.NO-2.10 OF PWD SR 2018-2019)								
15	back filling	Cum	1				95.35		
	Basic rate							201.00	
	Area weightage 6%							12.1	
	Total						95.35	**213.06**	**20315**

Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4									
Excavated Earth	Cum						114.39		
Filling Available of Excavated Earth							95.35		
Loading and unloading item no.17.1 KSRRB M 100-1	Cum							57.00	
Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading						2.00	
Average Weight of earth (1.28 Tonne/cum.)	For 2 Kms =2x1.28x2							5.12	
Basic rate	Cum							62.12	
Area weightage 6%								3.73	
Total							**209.74**	**65.85**	**13811**
Sub Total Amount									**1322589**
ADD 12% GST									**158711**
Grand Total									**1481300**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20, SE-RDED approved Rate and Issued Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP